

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR02/02241

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC7 H04L 7/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04L, H04B, H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KR, JP : IPC as aboveElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
KIPO "pilot", "symbol", "preamble", "frame"**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	IEEE Communication magazine: 'TDMA Frame Synchronization of Mobile Stations Using a Radio Clock Signal for Short Range Communications', Wei Zhu, 1994. see p1878-1882.	1,13,25,29
Y	IEEE Communication magazine : 'Optimum Frame Synchronization of Preamble-less Packets...', Patrick Robertson, 1994, see p874-879	1,13,25,29
A	IEEE Communication Magazine : 'Adaptive Digital Access Protocol : A Mac Protocol for Multiservice...', James E Dail, March 1996, see p104-112	1,13,25,29
Y	KR 2000-0060382 A (LG Information Telecommunication), 16, OCT 2000	1,13,25,29
Y	KR 2001-0045091 A (LG Information Telecommunication), 5, JUN 2001	1,13,25,29

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

23 JUNE 2003 (23.06.2003)

Date of mailing of the international search report

24 JUNE 2003 (24.06.2003)

Name and mailing address of the ISA/KR



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